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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,179	03/24/2004	Susumu Sato	8012-1239	4179
466	7590	06/21/2006	EXAMINER	
YOUNG & THOMPSON				TRAN, HUAN HUU
745 SOUTH 23RD STREET				PAPER NUMBER
2ND FLOOR				2861
ARLINGTON, VA 22202				

DATE MAILED: 06/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/807,179	SATO, SUSUMU	
	Examiner Huan H. Tran	Art Unit 2861	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) 18-20 is/are allowed.
 6) Claim(s) 1,6-8,16 and 17 is/are rejected.
 7) Claim(s) 2-5,9,10 and 12-15 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 24 March 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>03/24/04</u>	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 6, 7, 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okamoto (JP 4-66926) or Tanabe et al. (JP 58-122529) in view of Hasegawa et al. (JP 06-175128 cited in the IDS filed on 03/24/04.

With reference to Fig. 1, Okamoto discloses an image forming apparatus to form an image in a photosensitive material (photosensitive paper 37) by projecting an image recorded in an image carrying medium (photographic slides 101) after irradiating projection light emitted from a light source (105) to the image in said image carrying medium.

Similarly, with reference to Fig. 1 Tanabe et al. discloses an image forming apparatus to form an image in a photosensitive material (photosensitive paper 8) by projecting an image recorded in an image carrying medium (silver salt film 5) after irradiating projection light emitted from a light source (1) to the image in said image carrying medium.

Neither Okamoto nor Tanabe et al. teach the limitation " said image forming apparatus comprising: a photoelectric converting member for generating electricity by converting projection light which does not reach said photosensitive material"

Hasegawa et al. teaches the concept of providing a photoelectric converting member (solar battery 30 in Fig. 1; solar battery 30A in Fig. 2) for generating electricity by converting light which is not used for imaging. The generated electricity is used as one part of a power source for driving the projector. The solar battery reads on the limitation regarding the charger recited in claim 7. Hasegawa et al. also shows a reflection control member (22) such as recited in claim 8.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the teaching of Hasegawa et al. to the projection printing system of Okamoto or Tanabe et al. in order to utilize the light not used for imaging the photosensitive material to generate electricity for use in the projection printing system.

4. Claims 11, 16, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuji (US 6919915) in view of Hasegawa et al.

With reference to Figs 1-3, Tsuji discloses an image scanning apparatus (14) to generate image data corresponding to an image recorded in an image carrying medium (photographic film at Col. 6, lines 58-62) by converting projection light photoelectrically in an image reading device after irradiating said projection light from a light source (30) to said image in said image carrying medium and then projecting said image to said image reading device.

Tsuji does not disclose the limitation "said image scanning apparatus comprising: a photoelectric converting member for generating electricity by converting photoelectrically projection light which does not reach said image reading device"

Hasegawa et al. teaches the concept of providing a photoelectric converting member (solar battery 30 in Fig. 1; solar battery 30A in Fig. 2) for generating electricity by converting light which is not used for imaging. The generated electricity is used as one part of a power

source for driving the projector. The solar battery reads on the limitation regarding the charger recited in claim 17.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the teaching of Hasegawa et al. to the image scanning system of Tsuji in order to utilize the light not used for reading to generate electricity for use in the image scanning system.

Allowable Subject Matter

5. Claims 18-20 are allowed.
6. Claims 2-5, 9-10, 12-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
7. The following is a statement of reasons for the indication of allowable subject matter:
Claims 2-5, 12-15, 18 and 19 are allowable primarily for the inclusion of the limitation regarding the location of the photoelectric converting member.

Claims 9, 10, 20 are allowable for the inclusion of the limitation regarding the DMD device and the location of the photoelectric converting member with respect to the DMD device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan H. Tran whose telephone number is (571) 272-2261. The examiner can normally be reached on at work on T-F from 6:30am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vip Patel can be reached on (571) 272-2458. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2861

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Huan H. Tran
Primary Examiner
Art Unit 2861

hht
06/16/06